

Appl. No. 09/954,772
Atty. Docket No. 6009RXD
Reply Dated February 4, 2004
Reply to Office Action of July 8, 2003
Customer No. 27752

AMENDMENTS TO THE CLAIMS

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-123 (Canceled)

124. (Previously presented) Principal solvent selected from the group consisting of:

A. compound selected from the group consisting of: 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol,

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4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-;

B. ether solvent selected from the group consisting of: 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amyoxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amyoxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxycyclopentyl)ether;

C. unsaturated compounds which are homologs, or analogs, of the following compounds in which each homolog, or analog, contains at least one additional CH₂ group and the total number of hydrogen atoms is kept the same by inserting one double bond for each additional CH₂ group:

I. n-propanol;

II. 2-butanol and/or 2-methyl-2-propanol;

III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pantanediol, 2-methyl-; 2,3-pantanediol, 3-methyl-; 2,3-pantanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pantanediol, 2-methyl-; 1,2-pantanediol, 3-methyl-; 1,2-pantanediol, 4-methyl-; and/or 1,2-hexanediol;

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IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,3,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pantanediol, 2,2-dimethyl-; 1,5-pantanediol, 2,3-dimethyl-; 1,5-pantanediol, 2,4-dimethyl-; 1,5-pantanediol, 3,3-dimethyl-; 2,3-pantanediol, 2,3-dimethyl-; 2,3-pantanediol, 2,4-dimethyl-; 2,3-pantanediol, 3,4-dimethyl-; 2,3-pantanediol, 4,4-dimethyl-; 3,4-pantanediol, 2,3-dimethyl-; 1,5-pantanediol, 2-ethyl-; 1,6-hexanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-; 2,3-hexanediol, 2-methyl-; 2,3-hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and/or 1,6-heptanediol;

V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3-propanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-propanediol, 2-(3-methylbutyl)-; 1,3-propanediol, 2-butyl-2-methyl-; 1,3-propanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-ethyl-2-propyl-; 1,3-propanediol, 2-methyl-2-(1-methylpropyl)-; 1,3-propanediol, 2-methyl-2-(2-methylpropyl)-; 1,3-propanediol, 2-tertiary-butyl-2-methyl-; 1,3-butanediol, 2,2-diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-butyl-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 2-methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(1,1-dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2-methyl-3-propyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pantanediol, 2,2,3-trimethyl-; 1,3-pantanediol, 2,2,4-trimethyl-; 1,3-pantanediol, 2,3,4-trimethyl-; 1,3-pantanediol, 2,4,4-trimethyl-; 1,3-pantanediol, 3,4,4-trimethyl-; 1,4-pantanediol, 2,2,3-trimethyl-; 1,4-pantanediol, 2,2,4-trimethyl-; 1,4-pantanediol, 2,3,3-trimethyl-; 1,4-pantanediol, 3,3,4-trimethyl-; 1,5-pantanediol, 2,2,3-trimethyl-; 1,5-pantanediol, 2,2,4-trimethyl-; 1,5-pantanediol, 2,3,3-trimethyl-; 1,5-pantanediol, 2,3,4-trimethyl-; 2,4-pantanediol, 2,3,3-trimethyl-; 2,4-pantanediol, 2,3,4-trimethyl-; 1,3-pantanediol, 2-ethyl-2-methyl-; 1,3-pantanediol, 2-ethyl-3-

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methyl-; 1,3-pentanediol, 2-ethyl-4-methyl-; 1,3-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-3-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5-pentanediol, 2-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,2-dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,4-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5-dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,2-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4-hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4-hexanediol, 5,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5-hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 2-ethyl-; 1,3-hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-methyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-; 1,4-heptanediol, 4-methyl-; 1,4-heptanediol, 5-methyl-; 1,4-heptanediol, 6-methyl-; 1,5-heptanediol, 2-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,5-heptanediol, 5-methyl-; 1,5-heptanediol, 6-methyl-; 1,6-heptanediol, 2-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 6-methyl-;

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heptanediol, 4-methyl-; 1,6-heptanediol, 5-methyl-; 1,6-heptanediol, 6-methyl-; 2,4-heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4-heptanediol, 6-methyl-; 2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3-methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 5-methyl-; 2,5-heptanediol, 6-methyl-; 2,6-heptanediol, 2-methyl-; 2,6-heptanediol, 3-methyl-; 2,6-heptanediol, 4-methyl-; 3,4-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 4-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,3,5-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VII. Alkoxylated derivatives of C3-8 diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy1-4); 1,2-propanediol polypropoxy4; 1,2-propanediol, 2-methyl- (Me-polyethoxy4-10); 1,2-propanediol, 2-methyl- 2(Me-polyethoxy1); 1,2-propanediol, 2-methyl- polypropoxy3; 1,2-propanediol, 2-methyl- polybutoxy1; 1,3-propanediol 2(Me-polyethoxy6-8); 1,3-propanediol polypropoxy5-6; 1,3-propanediol, 2,2-diethyl- polyethoxy1-7; 1,3-propanediol, 2,2-diethyl- polypropoxy1; 1,3-propanediol, 2,2-diethyl- n-polybutoxy1-2; 1,3-propanediol, 2,2-dimethyl- 2(Me polyethoxy1-2); 1,3-propanediol, 2,2-dimethyl- polypropoxy3-4; 1,3-propanediol, 2-(1-methylpropyl)- polyethoxy1-7; 1,3-propanediol, 2-(1-methylpropyl)- polypropoxy1; 1,3-propanediol, 2-(1-methylpropyl)- n-polybutoxy1-2; 1,3-propanediol, 2-(2-methylpropyl)- polyethoxy1-7; 1,3-propanediol, 2-(2-methylpropyl)- polypropoxy1; 1,3-propanediol, 2-(2-methylpropyl)- n-polybutoxy1-2; 1,3-propanediol, 2-ethyl- (Me polyethoxy6-10); 1,3-propanediol, 2-ethyl- 2(Me polyethoxy1); 1,3-propanediol, 2-ethyl- polypropoxy3; 1,3-propanediol, 2-ethyl-2-methyl- (Me polyethoxy1-6); 1,3-propanediol, 2-ethyl-2-methyl- polypropoxy2; 1,3-propanediol, 2-ethyl-2-methyl- polybutoxy1; 1,3-propanediol, 2-isopropyl- (Me polyethoxy1-6); 1,3-propanediol, 2-isopropyl- polypropoxy2; 1,3-propanediol, 2-isopropyl- polybutoxy1; 1,3-propanediol, 2-methyl- 2(Me polyethoxy2-5); 1,3-propanediol, 2-methyl- polypropoxy4-5; 1,3-propanediol, 2-methyl- polybutoxy2; 1,3-propanediol, 2-methyl-2-isopropyl- polyethoxy2-9; 1,3-propanediol, 2-methyl-2-isopropyl- polypropoxy1; 1,3-propanediol, 2-methyl-2-

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isopropyl- n-polybutoxy1-3; 1,3-propanediol, 2-methyl-2-propyl- polyethoxy1-7; 1,3-propanediol, 2-methyl-2-propyl- polypropoxy1; 1,3-propanediol, 2-methyl-2-propyl- n-polybutoxy1-2; 1,3-propanediol, 2-propyl- (Me polyethoxy1-4); 1,3-propanediol, 2-propyl- polypropoxy2; 1,3-propanediol, 2-propyl- polybutoxy1;

2. 1,2-butanediol (Me polyethoxy2-8); 1,2-butanediol polypropoxy2-3; 1,2-butanediol polybutoxy1; 1,2-butanediol, 2,3-dimethyl- polyethoxy1-6; 1,2-butanediol, 2,3-dimethyl- n-polybutoxy1-2; 1,2-butanediol, 2-ethyl- polyethoxy1-3; 1,2-butanediol, 2-ethyl- n-polybutoxy1; 1,2-butanediol, 2-methyl- (Me polyethoxy1-2); 1,2-butanediol, 2-methyl- polypropoxy1; 1,2-butanediol, 3,3-dimethyl- polyethoxy1-6; 1,2-butanediol, 3,3-dimethyl- n-polybutoxy1-2; 1,2-butanediol, 3-methyl- (Me polyethoxy1-2); 1,2-butanediol, 3-methyl- polypropoxy1; 1,3-butanediol 2(Me polyethoxy3-6); 1,3-butanediol polypropoxy5; 1,3-butanediol polybutoxy2; 1,3-butanediol, 2,2,3-trimethyl- (Me polyethoxy1-3); 1,3-butanediol, 2,2,3-trimethyl- polypropoxy1-2; 1,3-butanediol, 2,2-dimethyl- (Me polyethoxy3-8); 1,3-butanediol, 2,2-dimethyl- polypropoxy3; 1,3-butanediol, 2,3-dimethyl- (Me polyethoxy3-8); 1,3-butanediol, 2,3-dimethyl- polypropoxy3; 1,3-butanediol, 2-ethyl- (Me polyethoxy1-6); 1,3-butanediol, 2-ethyl- polypropoxy2-3; 1,3-butanediol, 2-ethyl- polybutoxy1; 1,3-butanediol, 2-ethyl-2-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-2-methyl- (Me polyethoxy1); 1,3-butanediol, 2-ethyl-2-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-3-methyl- (Me polyethoxy1); 1,3-butanediol, 2-ethyl-3-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-3-methyl- n-polybutoxy2-4; 1,3-butanediol, 2-isopropyl- (Me polyethoxy1); 1,3-butanediol, 2-isopropyl- polypropoxy1; 1,3-butanediol, 2-isopropyl- n-polybutoxy2-4; 1,3-butanediol, 2-methyl- 2(Me polyethoxy1-3); 1,3-butanediol, 2-methyl- polypropoxy4; 1,3-butanediol, 2-propyl- polyethoxy2-9; 1,3-butanediol, 2-propyl- polypropoxy1; 1,3-butanediol, 2-propyl- n-polybutoxy1-3; 1,3-butanediol, 3-methyl- 2(Me polyethoxy1-3); 1,3-butanediol, 3-methyl- polypropoxy4; 1,4-butanediol 2(Me polyethoxy2-4); 1,4-butanediol polypropoxy4-5; 1,4-butanediol polybutoxy2; 1,4-butanediol, 2,2,3-trimethyl- polyethoxy2-9; 1,4-butanediol, 2,2,3-trimethyl- polypropoxy1; 1,4-butanediol, 2,2,3-trimethyl- n-polybutoxy1-3; 1,4-butanediol, 2,2-dimethyl- (Me polyethoxy1-6); 1,4-butanediol, 2,2-dimethyl- polypropoxy2; 1,4-butanediol, 2,2-dimethyl- polybutoxy1; 1,4-butanediol, 2,3-dimethyl- (Me

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polyethoxy1-6); 1,4-butanediol, 2,3-dimethyl- polypropoxy2; 1,4-butanediol, 2,3-dimethyl- polybutoxy1; 1,4-butanediol, 2-ethyl- (Me polyethoxy1-4); 1,4-butanediol, 2-ethyl- polypropoxy2; 1,4-butanediol, 2-ethyl- polybutoxy1; 1,4-butanediol, 2-ethyl-2-methyl- polyethoxy1-7; 1,4-butanediol, 2-ethyl-2-methyl- polypropoxy1; 1,4-butanediol, 2-ethyl-2-methyl- n-polybutoxy1-2; 1,4-butanediol, 2-ethyl-3-methyl- polyethoxy1-7; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy1; 1,4-butanediol, 2-ethyl-3-methyl- n-polybutoxy1-2; 1,4-butanediol, 2-isopropyl- polyethoxy1-7; 1,4-butanediol, 2-isopropyl- polypropoxy1; 1,4-butanediol, 2-isopropyl- n-polybutoxy1-2; 1,4-butanediol, 2-methyl- (Me polyethoxy6-10); 1,4-butanediol, 2-methyl- 2(Me polyethoxy1); 1,4-butanediol, 2-methyl- polypropoxy3; 1,4-butanediol, 2-methyl- polybutoxy1; 1,4-butanediol, 2-propyl- polyethoxy1-5; 1,4-butanediol, 2-propyl- n-polybutoxy1-2; 1,4-butanediol, 3-ethyl-1-methyl- polyethoxy2-9; 1,4-butanediol, 3-ethyl-1-methyl- n-polybutoxy1-3; 2,3-butanediol (Me polyethoxy6-10); 2,3-butanediol 2(Me polyethoxy1); 2,3-butanediol polypropoxy3-4; 2,3-butanediol polybutoxy1; 2,3-butanediol, 2,3-dimethyl- polyethoxy3-9; 2,3-butanediol, 2,3-dimethyl- polypropoxy1; 2,3-butanediol, 2,3-dimethyl- n-polybutoxy1-3; 2,3-butanediol, 2-methyl- (Me polyethoxy1-5); 2,3-butanediol, 2-methyl- polypropoxy2; 2,3-butanediol, 2-methyl- polybutoxy1;

3. 1,2-pentanediol polyethoxy3-10; 1,2-pentanediol, polypropoxy1; 1,2-pentanediol, n-polybutoxy2-3; 1,2-pentanediol, 2-methyl polyethoxy1-3; 1,2-pentanediol, 2-methyl n-polybutoxy1; 1,2-pentanediol, 2-methyl polybutoxy1; 1,2-pentanediol, 3-methyl polyethoxy1-3; 1,2-pentanediol, 3-methyl n-polybutoxy1; 1,2-pentanediol, 4-methyl polyethoxy1-3; 1,2-pentanediol, 4-methyl n-polybutoxy1; 1,3-pentanediol 2(Me-polyethoxy1-2); 1,3-pentanediol polypropoxy3-4; 1,3-pentanediol, 2,2-dimethyl- (Me-polyethoxy1); 1,3-pentanediol, 2,2-dimethyl- polypropoxy1; 1,3-pentanediol, 2,2-dimethyl- n-polybutoxy2-4; 1,3-pentanediol, 2,3-dimethyl- (Me-polyethoxy1); 1,3-pentanediol, 2,3-dimethyl- polypropoxy1; 1,3-pentanediol, 2,3-dimethyl- n-polybutoxy2-4; 1,3-pentanediol, 2,4-dimethyl- (Me-polyethoxy1); 1,3-pentanediol, 2,4-dimethyl- polypropoxy1; 1,3-pentanediol, 2,4-dimethyl- n-polybutoxy2-4; 1,3-pentanediol, 2-ethyl- polyethoxy2-9; 1,3-pentanediol, 2-ethyl- polypropoxy1; 1,3-pentanediol, 2-ethyl- n-polybutoxy1-3; 1,3-

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pentanediol, 2-methyl- 2(Me-polyethoxy1-6); 1,3-pantanediol, 2-methyl-polypropoxy2-3; 1,3-pantanediol, 2-methyl- polybutoxy1; 1,3-pantanediol, 3,4-dimethyl- (Me-polyethoxy1); 1,3-pantanediol, 3,4-dimethyl- polypropoxy1; 1,3-pantanediol, 3,4-dimethyl- n-polybutoxy2-4; 1,3-pantanediol, 3-methyl- (Me-polyethoxy1-6); 1,3-pantanediol, 3-methyl- polypropoxy2-3; 1,3-pantanediol, 3-methyl- polybutoxy1; 1,3-pantanediol, 4,4-dimethyl- (Me-polyethoxy1); 1,3-pantanediol, 4,4-dimethyl- polypropoxy1; 1,3-pantanediol, 4,4-dimethyl- n-polybutoxy2-4; 1,3-pantanediol, 4-methyl- (Me-polyethoxy1-6); 1,3-pantanediol, 4-methyl- polypropoxy2-3; 1,3-pantanediol, 4-methyl- polybutoxy1; 1,4-pantanediol, 2(Me-polyethoxy1-2); 1,4-pantanediol polypropoxy3-4; 1,4-pantanediol, 2,2-dimethyl- (Me-polyethoxy1); 1,4-pantanediol, 2,2-dimethyl- polypropoxy1; 1,4-pantanediol, 2,2-dimethyl- n-polybutoxy2-4; 1,4-pantanediol, 2,3-dimethyl- (Me-polyethoxy1); 1,4-pantanediol, 2,3-dimethyl- polypropoxy1; 1,4-pantanediol, 2,3-dimethyl- n-polybutoxy2-4; 1,4-pantanediol, 2,4-dimethyl- (Me-polyethoxy1); 1,4-pantanediol, 2,4-dimethyl- polypropoxy1; 1,4-pantanediol, 2,4-dimethyl- n-polybutoxy2-4; 1,4-pantanediol, 2-methyl- polypropoxy2-3; 1,4-pantanediol, 2-methyl- polybutoxy1; 1,4-pantanediol, 3,3-dimethyl- (Me-polyethoxy1); 1,4-pantanediol, 3,3-dimethyl- polypropoxy1; 1,4-pantanediol, 3,3-dimethyl- n-polybutoxy2-4; 1,4-pantanediol, 3,4-dimethyl- (Me-polyethoxy1); 1,4-pantanediol, 3,4-dimethyl- polypropoxy1; 1,4-pantanediol, 3,4-dimethyl- n-polybutoxy2-4; 1,4-pantanediol, 3-methyl- 2(Me-polyethoxy1-6); 1,4-pantanediol, 3-methyl- polypropoxy2-3; 1,4-pantanediol, 3-methyl- polybutoxy1; 1,4-pantanediol, 4-methyl- 2(Me-polyethoxy1-6); 1,4-pantanediol, 4-methyl- polypropoxy2-3; 1,4-pantanediol, 4-methyl- polybutoxy1; 1,5-pantanediol. (Me-polyethoxy4-10); 1,5-pantanediol 2(Me-polyethoxy1); 1,5-pantanediol polypropoxy3; 1,5-pantanediol, 2,2-dimethyl- polyethoxy1-7; 1,5-pantanediol, 2,2-dimethyl- polypropoxy1; 1,5-pantanediol, 2,2-dimethyl- n-polybutoxy1-2; 1,5-pantanediol, 2,3-dimethyl- polyethoxy1-7; 1,5-pantanediol, 2,3-dimethyl- polypropoxy1; 1,5-pantanediol, 2,3-dimethyl- n-polybutoxy1-2; 1,5-pantanediol, 2,4-dimethyl- polyethoxy1-7; 1,5-pantanediol, 2,4-dimethyl- polypropoxy1; 1,5-pantanediol, 2,4-dimethyl- n-polybutoxy1-2; 1,5-pantanediol, 2-ethyl- polyethoxy1-5; 1,5-pantanediol, 2-ethyl- n-polybutoxy1-2; 1,5-pantanediol, 2-methyl- (Me-polyethoxy1-4); 1,5-pantanediol, 2-methyl-

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polypropoxy2; 1,5-pentanediol, 3,3-dimethyl- polyethoxy1-7; 1,5-pentanediol, 3,3-dimethyl- polypropoxy1; 1,5-pentanediol, 3,3-dimethyl- n-polybutoxy1-2; 1,5-pentanediol, 3-methyl- (Me-polyethoxy1-4); 1,5-pentanediol, 3-methyl- polypropoxy2; 2,3-pentanediol, (Me-polyethoxy1-3); 2,3-pentanediol, polypropoxy2; 2,3-pentanediol, 2-methyl- polyethoxy1-7; 2,3-pentanediol, 2-methyl- polypropoxy1; 2,3-pentanediol, 2-methyl- n-polybutoxy1-2; 2,3-pentanediol, 3-methyl- polyethoxy1-7; 2,3-pentanediol, 3-methyl- polypropoxy1; 2,3-pentanediol, 3-methyl- n-polybutoxy1-2; 2,3-pentanediol, 4-methyl- polyethoxy1-7; 2,3-pentanediol, 4-methyl- polypropoxy1; 2,3-pentanediol, 4-methyl- n-polybutoxy1-2; 2,4-pentanediol, 2(Me-polyethoxy1-4); 2,4-pentanediol polypropoxy4; 2,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy1-4); 2,4-pentanediol, 2,3-dimethyl- polypropoxy2; 2,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy1-4); 2,4-pentanediol, 2,4-dimethyl- polypropoxy2; 2,4-pentanediol, 2-methyl- (Me-polyethoxy5-10); 2,4-pentanediol, 2-methyl- polypropoxy3; 2,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy1-4); 2,4-pentanediol, 3,3-dimethyl- polypropoxy2; 2,4-pentanediol, 3-methyl- (Me-polyethoxy5-10); 2,4-pentanediol, 3-methyl- polypropoxy3;

4. 1,3-hexanediol (Me-polyethoxy1-5); 1,3-hexanediol polypropoxy2; 1,3-hexanediol polybutoxy1; 1,3-hexanediol, 2-methyl- polyethoxy2-9; 1,3-hexanediol, 2-methyl- polypropoxy1; 1,3-hexanediol, 2-methyl- n-polybutoxy1-3; 1,3-hexanediol, 2-methyl- polybutoxy1; 1,3-hexanediol, 3-methyl- polyethoxy2-9; 1,3-hexanediol, 3-methyl- polypropoxy1; 1,3-hexanediol, 3-methyl- n-polybutoxy1-3; 1,3-hexanediol, 4-methyl- polyethoxy2-9; 1,3-hexanediol, 4-methyl- polypropoxy1; 1,3-hexanediol, 4-methyl- n-polybutoxy1-3; 1,3-hexanediol, 5-methyl- polyethoxy2-9; 1,3-hexanediol, 5-methyl- polypropoxy1; 1,3-hexanediol, 5-methyl- n-polybutoxy1-3; 1,4-hexanediol (Me-polyethoxy1-5); 1,4-hexanediol polypropoxy2; 1,4-hexanediol polybutoxy1; 1,4-hexanediol, 2-methyl- polyethoxy2-9; 1,4-hexanediol, 2-methyl- polypropoxy1; 1,4-hexanediol, 2-methyl- n-polybutoxy1-3; 1,4-hexanediol, 3-methyl- polyethoxy1-3; 1,4-hexanediol, 3-methyl- polypropoxy1; 1,4-hexanediol, 3-methyl- n-polybutoxy1-3; 1,4-hexanediol, 4-methyl- polyethoxy2-9; 1,4-hexanediol, 4-methyl- polypropoxy1; 1,4-hexanediol, 4-methyl- n-polybutoxy1-3; 1,4-hexanediol, 5-methyl- polyethoxy2-9; 1,4-hexanediol, 5-methyl- polypropoxy1; 1,4-hexanediol, 5-methyl- n-polybutoxy1-3; 1,5-

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hexanediol (Me-polyethoxy1-5); 1,5-hexanediol polypropoxy2; 1,5-hexanediol polybutoxy1; 1,5-hexanediol, 2-methyl- polyethoxy2-9; 1,5-hexanediol, 2-methyl- polypropoxy1; 1,5-hexanediol, 2-methyl- n-polybutoxy1-3; 1,5-hexanediol, 3-methyl- polyethoxy2-9; 1,5-hexanediol, 3-methyl- polypropoxy1; 1,5-hexanediol, 3-methyl- n-polybutoxy1-3; 1,5-hexanediol, 4-methyl- polyethoxy2-9; 1,5-hexanediol, 4-methyl- polypropoxy1; 1,5-hexanediol, 4-methyl- n-polybutoxy1-3; 1,5-hexanediol, 5-methyl- polyethoxy2-9; 1,5-hexanediol, 5-methyl- polypropoxy1; 1,5-hexanediol, 5-methyl- n-polybutoxy1-3; 1,6-hexanediol (Me-polyethoxy1-2); 1,6-hexanediol polypropoxy1-2; 1,6-hexanediol n-polybutoxy4; 1,6-hexanediol, 2-methyl- polyethoxy1-5; 1,6-hexanediol, 2-methyl- n-polybutoxy1-2; 1,6-hexanediol, 3-methyl- polyethoxy1-5; 1,6-hexanediol, 3-methyl- n-polybutoxy1-2; 2,3-hexanediol polybutoxy1; 2,4-hexanediol (Me-polyethoxy3-8); 2,4-hexanediol polypropoxy3; 2,4-hexanediol, 2-methyl- (Me-polyethoxy1-2); 2,4-hexanediol 2-methyl- polypropoxy1-2; 2,4-hexanediol, 3-methyl- polypropoxy1-2; 2,4-hexanediol, 4-methyl- polypropoxy1-2; 2,4-hexanediol, 5-methyl- (Me-polyethoxy1-2); 2,4-hexanediol 5-methyl- polypropoxy1-2; 2,5-hexanediol (Me-polyethoxy3-8); 2,5-hexanediol polypropoxy3; 2,5-hexanediol, 2-methyl- (Me-polyethoxy1-2); 2,5-hexanediol 2-methyl- polypropoxy1-2; 2,5-hexanediol, 3-methyl- (Me-polyethoxy1-2); 2,5-hexanediol 3-methyl- polypropoxy1-2; 3,4-hexanediol polyethoxy1-5; 3,4-hexanediol n-polybutoxy1; 3,4-hexanediol polybutoxy1;

5. 1,3-heptanediol polyethoxy1-7; 1,3-heptanediol polypropoxy1; 1,3-heptanediol n-polybutoxy1-2; 1,4-heptanediol polyethoxy1-7; 1,4-heptanediol polypropoxy1; 1,4-heptanediol n-polybutoxy1-2; 1,5-heptanediol polyethoxy1-7; 1,5-heptanediol polypropoxy1; 1,5-heptanediol n-polybutoxy1-2; 1,6-heptanediol polyethoxy1-7; 1,6-heptanediol polypropoxy1; 1,6-heptanediol n-polybutoxy1-2; 1,7-heptanediol polyethoxy1-2; 1,7-heptanediol n-polybutoxy1; 2,4-heptanediol polyethoxy3-10; 2,4-heptanediol (Me-polyethoxy1); 2,4-heptanediol polypropoxy1; 2,4-heptanediol n-polybutoxy3; 2,5-heptanediol polyethoxy3-10; 2,5-heptanediol (Me-polyethoxy1); 2,5-heptanediol polypropoxy1; 2,5-heptanediol n-polybutoxy3; 2,6-heptanediol polyethoxy3-10; 2,6-heptanediol (Me-polyethoxy1); 2,6-heptanediol polypropoxy1; 2,6-

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heptanediol n-polybutoxy3; 3,5-heptanediol polyethoxy3-10; 3,5-heptanediol (Me-polyethoxy1); 3,5-heptanediol polypropoxy1; 3,5-heptanediol n-polybutoxy3;

6. 1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy1; 2,4-pentanediol, 2,3,3-trimethyl- polypropoxy1; 1,3-butanediol, 2,2-diethyl- polyethoxy2-5; 2,4-hexanediol, 2,3-dimethyl- polyethoxy2-5; 2,4-hexanediol, 2,4-dimethyl- polyethoxy2-5; 2,4-hexanediol, 2,5-dimethyl- polyethoxy2-5; 2,4-hexanediol, 3,3-dimethyl- polyethoxy2-5; 2,4-hexanediol, 3,4-dimethyl- polyethoxy2-5; 2,4-hexanediol, 3,5-dimethyl- polyethoxy2-5; 2,4-hexanediol, 4,5-dimethyl- polyethoxy2-5; 2,4-hexanediol, 5,5-dimethyl- polyethoxy2-5; 2,5-hexanediol, 2,3-dimethyl- polyethoxy2-5; 2,5-hexanediol, 2,4-dimethyl- polyethoxy2-5; 2,5-hexanediol, 2,5-dimethyl- polyethoxy2-5; 2,5-hexanediol, 3,3-dimethyl- polyethoxy2-5; 2,5-hexanediol, 3,4-dimethyl- polyethoxy2-5; 3,5-heptanediol, 3-methyl- polyethoxy2-5; 1,3-butanediol, 2,2-diethyl- n-polybutoxy1-2; 2,4-hexanediol, 2,3-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 2,4-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 2,5-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 3,3-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 3,4-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 3,5-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 4,5-dimethyl- n-polybutoxy1-2; 2,4-hexanediol, 5,5-dimethyl-, n-polybutoxy1-2; 2,5-hexanediol, 2,3-dimethyl- n-polybutoxy1-2; 2,5-hexanediol, 2,4-dimethyl- n-polybutoxy1-2; 2,5-hexanediol, 2,5-dimethyl- n-polybutoxy1-2; 2,5-hexanediol, 3,3-dimethyl- n-polybutoxy1-2; 2,5-hexanediol, 3,4-dimethyl- n-polybutoxy1-2; 3,5-heptanediol, 3-methyl- n-polybutoxy1-2; 1,3-propanediol, 2-(1,2-dimethylpropyl)- n-polybutoxy1; 1,3-butanediol, 2-ethyl-2,3-dimethyl- n-polybutoxy1; 1,3-butanediol, 2-methyl-2-isopropyl- n-polybutoxy1; 1,4-butanediol, 3-methyl-2-isopropyl- n-polybutoxy1; 1,3-pentanediol, 2,2,3-trimethyl- n-polybutoxy1; 1,3-pentanediol, 2,2,4-trimethyl- n-polybutoxy1; 1,3-pentanediol, 3,4,4-trimethyl- n-polybutoxy1; 1,4-pentanediol, 2,2,3-trimethyl- n-polybutoxy1; 1,4-pentanediol, 2,2,4-trimethyl- n-polybutoxy1; 1,4-pentanediol, 2,3,3-trimethyl- n-polybutoxy1; 1,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy1; 1,4-pentanediol, 3,3,4-trimethyl- n-polybutoxy1; 2,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy1; 2,4-hexanediol, 4-ethyl- n-polybutoxy1; 2,4-heptanediol, 2-methyl- n-polybutoxy1; 2,4-heptanediol, 3-methyl- n-polybutoxy1; 2,4-heptanediol, 4-

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methyl- n-polybutoxy1; 2,4-heptanediol, 5-methyl- n-polybutoxy1; 2,4-heptanediol, 6-methyl- n-polybutoxy1; 2,5-heptanediol, 2-methyl- n-polybutoxy1; 2,5-heptanediol, 3-methyl- n-polybutoxy1; 2,5-heptanediol, 4-methyl- n-polybutoxy1; 2,5-heptanediol, 5-methyl- n-polybutoxy1; 2,5-heptanediol, 6-methyl- n-polybutoxy1; 2,6-heptanediol, 2-methyl- n-polybutoxy1; 2,6-heptanediol, 3-methyl- n-polybutoxy1; 2,6-heptanediol, 4-methyl- n-polybutoxy1; 3,5-heptanediol, 2-methyl- n-polybutoxy1; 1,3-propanediol, 2-(1,2-dimethylpropyl)- polyethoxy1-3; 1,3-butanediol, 2-ethyl-2,3-dimethyl- polyethoxy1-3; 1,3-butanediol, 2-methyl-2-isopropyl- polyethoxy1-3; 1,4-butanediol, 3-methyl-2-isopropyl- polyethoxy1-3; 1,3-pantanediol, 2,2,3-trimethyl- polyethoxy1-3; 1,3-pantanediol, 2,4,4-trimethyl- polyethoxy1-3; 1,3-pantanediol, 3,4,4-trimethyl- polyethoxy1-3; 1,4-pantanediol, 2,2,3-trimethyl- polyethoxy1-3; 1,4-pantanediol, 2,2,4-trimethyl- polyethoxy1-3; 1,4-pantanediol, 2,3,3-trimethyl- polyethoxy1-3; 1,4-pantanediol, 2,3,4-trimethyl- polyethoxy1-3; 1,4-pantanediol, 3,3,4-trimethyl- polyethoxy1-3; 2,4-pantanediol, 2,3,4-trimethyl- polyethoxy1-3; 2,4-hexanediol, 4-ethyl- polyethoxy1-3; 2,4-heptanediol, 2-methyl- polyethoxy1-3; 2,4-heptanediol, 3-methyl- polyethoxy1-3; 2,4-heptanediol, 4-methyl- polyethoxy1-3; 2,4-heptanediol, 5-methyl- polyethoxy1-3; 2,4-heptanediol, 6-methyl- polyethoxy1-3; 2,5-heptanediol, 2-methyl- polyethoxy1-3; 2,5-heptanediol, 3-methyl- polyethoxy1-3; 2,5-heptanediol, 4-methyl- polyethoxy1-3; 2,5-heptanediol, 5-methyl- polyethoxy1-3; 2,5-heptanediol, 6-methyl- polyethoxy1-3; 2,6-heptanediol, 2-methyl- polyethoxy1-3; 2,6-heptanediol, 3-methyl- polyethoxy1-3; 2,6-heptanediol, 4-methyl- polyethoxy1-3; and/or 3,5-heptanediol, 2-methyl- polyethoxy1-3;

7. mixtures thereof; and

VIII. aromatic diols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 1-phenyl-1,2-propanediol; 2-phenyl-1,2-propanediol; 3-phenyl-1,2-propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3-propanediol; 2-methyl-1-phenyl-1,3-propanediol; 1-phenyl-1,3-butanediol; 3-phenyl-1,3-butanediol; 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; and/or 1-phenyl-2,3-butanediol; and mixtures thereof; and

IX. mixtures thereof;

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with the exception of the following specific unsaturated compounds: 3,7-Octadiene-2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-diol, 4-methyl-; 4-Octene-3,6-diol; 4-Octene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; 7-Nonene-4,5-diol; 6-Nonene-2,3-diol; 6-Heptene-2,4-diol, 5-methyl-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 1,3-Propanediol, 2-(2-methylenepentyl)-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, 2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 2,6-dimethyl-; (8-Hydroxygeraniol); 1-Heptene-3,5-diol, 2,4-dimethyl-; 2,4-Hexanediol, 5-methyl-3-methylene-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4-diol, 5-methyl-; 4,9-Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4-dimethyl-; 7-Octene-1,3-diol, 2-methyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 4-Nonene-2,8-diol; 4-Nonene-2,8-diol; 5-Hexene-2,3-diol, 2,3-dimethyl-; 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol, 3-(1,1-dimethylethyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7-methyl-; 4-Hexene-1,3-diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 5-Hexene-1,4-diol, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptene-1,5-diol, 4,6-dimethyl-; 3-Octene-1,5-diol, 4-methyl-; 3,9-Decadiene-1,2-diol; 7-Octene-2,3-diol, 2-methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3-diol; 2,5-Hexanediol, 3-methyl-4-

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methylene-; 6-Heptene-1,4-diol, 2-methyl-; 6-Octene-1,5-diol; 1-Octene-3,4-diol; 7-Octene-1,6-diol, 5-methyl-; 7-Octene-1,6-diol, 5-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methylethenyl)-; 1,3-Pantanediol, 2-ethenyl-4,4-dimethyl-; 3,5-Octanediol, 4-methylene-; 3,5-Octanediol, 4-methylene-; 6-Heptene-2,3-diol, 2-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3-diol, 2-methyl-; 7-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methyl-2-propenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2-diol, 3-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 6-Heptene-1,3-diol, 2,2-dimethyl-; 4-Nonene-1,3-diol; 1,4-Pantanediol, 3-methyl-2-(2-propenyl)-; 1-Nonene-3,4-diol; 8-Nonene-1,2-diol; 3-Octene-1,2-diol; 1,9-Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3-diol, 2,2-dimethyl-; 1,3-Propanediol, 2-(1-pentenyl)-; 1,3-Propanediol, 2-(3-methyl-1-but enyl)-; 1,3-Propanediol, 2-(3-methyl-1-but enyl)-; 8-Nonene-1,3-diol; 2,4-Octadiene-1,8-diol, 2,7-dimethyl-; 5-Heptene-1,2-diol, 6-methyl-; 3,9-Decadiene-1,2-diol; 3-Nonene-1,2-diol; 6-Nonene-1,2-diol; 4-Hexene-1,3-diol, 2,4-dimethyl-; 2,4-Octadiene-1,7-diol, 3,7-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl)-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 6-Heptene-1,5-diol, 6-methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pantanediol, 2-(2-propenyl)-; 5-Hexene-2,3-diol, 3,5-dimethyl-; 5-Hexene-2,3-diol, 3,5-dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-; 4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4-diol; 2-Nonene-1,4-diol; 8-Nonene-2,5-diol; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 5-Heptene-2,3-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 1,3-Propanediol, 2-methyl-2-(3-methyl-3-but enyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5-Hexene-1,2-diol, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d3-1,7-

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diol, 6-methyl-; 2,4-Nonadiene-1,7-diol, 6-methyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4-diol; 2-Nonene-1,4-diol; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-diol, 2-methyl-; 4-Heptene-1,3-diol, 2-methyl-; 4-Octene-2,3-d2-1,2-diol; 4-Octene-2,3-d2-1,2-diol; 5-Heptene-1,2-diol, 3-methyl-; 5-Octene-1,2-diol; 3,7-Octadiene-1,6-diol, 2,6-dimethyl-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2-methyl-; 5-Heptene-1,3-diol, 2-methyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2-Heptene-1,5-diol, 6-methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5-diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,5-Nonadiene-1,7-diol, 8-methyl-; 5-Heptene-1,3-diol, 2,4-dimethyl-; 2-Nonene-1,9-diol; 2-Nonene-1,9-diol; 1,3-Butanediol, 2-ethyl-2-(2-propenyl)-; 3-Heptene-1,5-diol, 6-methyl-; 1,3-Pantanediol, 2-ethenyl-4-methyl-; 1,3-Pantanediol, 2-ethenyl-4-methyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2-propenyl)-; 1,3-Propanediol, 2-(2-butenyl)-2-(2-propenyl)-; 5-Hexene-1,2-diol, 2-ethyl-; 1,4-Butanediol, 2-(4-methyl-3-pentenylidene)-; 6-Heptene-1,3-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-13C, 2,6-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2-diol, 2-methyl-; 1-Nonene-3,5-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 7-Octene-1,2-diol; 7-Octene-1,2-diol; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 1,3-Propanediol, 2-(2,2-dimethylpropylidene)-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,8-Decadiene-1,10-diol; 6-Octene-1,5-diol, 7-methyl-; 1,3-Butanediol, 2-(1-

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ethyl-1-propenyl)-; 4-Hexene-1,2-diol, 4-ethyl-3-methyl-; 8-Nonene-1,3-diol; 1,4-Butanediol, 2-(3-methyl-2-butenyl)-3-methylene-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 8-Nonene-2,4-diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-; 4-Octene-4,5-diol; 5-Hexene-1,2-diol, 2,3-dimethyl-; 3-Hexene-1,6-diol, 2-ethenyl-2,5-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7-dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-diol, 7-methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3-dimethyl-; 4-Hexene-1,3-diol, 3,5-dimethyl-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1,3-Hexanediol, 5-methyl-4-methylene-; 4-Octene-1,2-diol; 2,3-Heptanediol, 3-ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 3,7-dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6-dimethyl-; 5-Heptene-1,4-diol, 2,6-dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; 5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 2-Heptene-1,5-diol, 5-ethyl-; 2-Heptene-1,5-diol, 5-ethyl-; 1,3-Pantanediol, 2-ethenyl-3-ethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4-diol; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5-dimethyl-; 4,6-Octadiene-2,3-diol, 3,7-dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-Decadiene-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl- (8-Hydroxyinalool); 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3-dimethyl-; 2,6-Octadiene-1,8-diol, 6-methyl-2-(methyl-13C)-; 1,3-Propanediol, 2-(5-hexenyl)-; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 3-ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6-Heptene-2,4-diol, 4-(2-

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propenyl)-; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 8-Nonene-3,4-diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 1,4-Heptanediol, 6-methyl-5-methylene-; 2-Butene-1,4-diol, 2-(4-methyl-3-pentenyl)-; 4-Octene-1,2-diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6-Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, 2-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2-methyl-; 7-Octene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl-; 1,3-Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl- 2-Nonene-1,4-diol; 5-Heptene-1,3-diol, 3,6-dimethyl-; 1,5-Hexanediol, 2-(1-methylethenyl)-; and 1,3-Propanediol, 2-(1-pentenyl)-; and

D. mixtures of the above compounds; and

E. mixtures of 8-carbon-diol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pantanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pantanediol; 2-ethyl-3-methyl-1,3-pantanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, any individual 1,3-diol being less than about 90% of any mixture.

125. (Previously presented) The principal solvent of Claim 124, that is a compound selected from the group consisting of: 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pantanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pantanediol, 2,2,3-trimethyl-; 1,4-pantanediol, 2,3,3-trimethyl-; 1,5-pantanediol, 2,2,3-trimethyl-; 1,5-pantanediol, 2,3,3-trimethyl-; 1,3-pantanediol, 2-

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ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amylloxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amylloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated.

Claims 126-145 (Canceled)